

KISKIMINETAS RIVER BASIN

03042000 BLACKLICK CREEK AT JOSEPHINE, PA

LOCATION.--Lat 40°28'24", long 79°11'01", Indiana County, Hydrologic Unit 05010007, on right bank on upstream side of old concrete dam at Josephine, 0.9 mi upstream from Two Lick Creek, and 5 mi northeast of Blairsville.

DRAINAGE AREA.--192 mi².

PERIOD OF RECORD.--January 1952 to current year.

REVISED RECORDS.--WSP 1385: 1952-54 (M). WDR PA-78-3: 1977 (M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 975.82 ft above sea level. Prior to Aug. 25, 1953, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation at low flow by mine pumpage above station. Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 21	2100	*3,080	*5.96	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	e45	201	136	e82	611	261	245	390	83	138	e76
2	88	e70	169	132	e76	725	245	338	312	83	114	87
3	87	216	156	143	e71	561	261	288	280	83	100	104
4	e63	168	162	194	e70	466	979	234	231	98	155	86
5	e59	124	164	267	e69	413	1050	208	205	90	105	e68
6	e57	111	167	200	e68	353	788	201	320	77	161	e67
7	e55	96	158	177	e68	301	599	190	360	73	496	e66
8	e64	88	136	164	e67	269	571	171	243	79	288	e65
9	77	e78	123	155	e67	251	695	150	191	82	178	83
10	91	e70	141	161	e66	240	542	131	158	83	136	96
11	131	e64	225	199	e68	268	475	120	138	84	110	205
12	94	e56	188	189	e140	444	553	111	131	89	94	159
13	88	e55	179	171	e300	344	463	108	130	82	84	382
14	107	e54	552	152	957	289	405	117	136	99	e80	192
15	114	e52	959	125	1050	263	372	105	132	111	e75	129
16	89	e50	563	e110	743	256	336	92	182	101	e73	137
17	e70	e48	432	e125	658	582	427	86	138	87	e69	130
18	e67	e47	346	e150	619	483	648	86	116	83	e65	104
19	e66	e46	286	e140	1460	401	485	228	129	e77	e64	e83
20	e64	e45	255	e125	995	360	416	372	109	e76	e64	e74
21	e63	e44	273	e120	700	1600	1250	236	102	e74	e63	e74
22	e61	e42	235	e130	584	1950	1400	169	176	e71	e70	e70
23	e58	e41	200	e150	714	1070	1280	169	138	e69	83	e76
24	e56	e40	153	e140	973	786	920	859	98	e67	116	165
25	e55	83	136	e125	1230	632	701	795	86	e65	126	167
26	e54	972	164	e120	1130	536	554	454	112	e64	e80	165
27	e53	1260	185	e110	805	450	455	352	123	e76	e71	183
28	e50	536	152	e105	1010	440	391	548	101	91	e68	140
29	e48	337	137	e98	715	420	329	1340	85	109	e68	113
30	e46	248	143	e94	---	358	282	714	83	89	e66	97
31	e45	---	145	e87	---	299	---	497	---	110	e64	---
TOTAL	2242	5186	7485	4494	15555	16421	18133	9714	5135	2605	3524	3643
MEAN	72.3	173	241	145	536	530	604	313	171	84.0	114	121
MAX	131	1260	959	267	1460	1950	1400	1340	390	111	496	382
MIN	45	40	123	87	66	240	245	86	83	64	63	65
CFSM	.38	.90	1.26	.76	2.79	2.76	3.15	1.63	.89	.44	.59	.63
IN.	.43	1.00	1.45	.87	3.01	3.18	3.51	1.88	.99	.50	.68	.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2000, BY WATER YEAR (WY)

MEAN	172	303	426	429	554	761	604	418	252	202	149	142
MAX	812	1113	1025	905	1202	1615	1086	1009	1376	1114	581	595
(WY)	1977	1998	1973	1975	1956	1967	1993	1978	1972	1977	1958	1996
MIN	30.8	33.5	68.4	135	124	219	236	84.8	65.6	43.5	37.1	28.7
(WY)	1953	1954	1961	1956	1987	1969	1997	1986	1965	1965	1962	1998

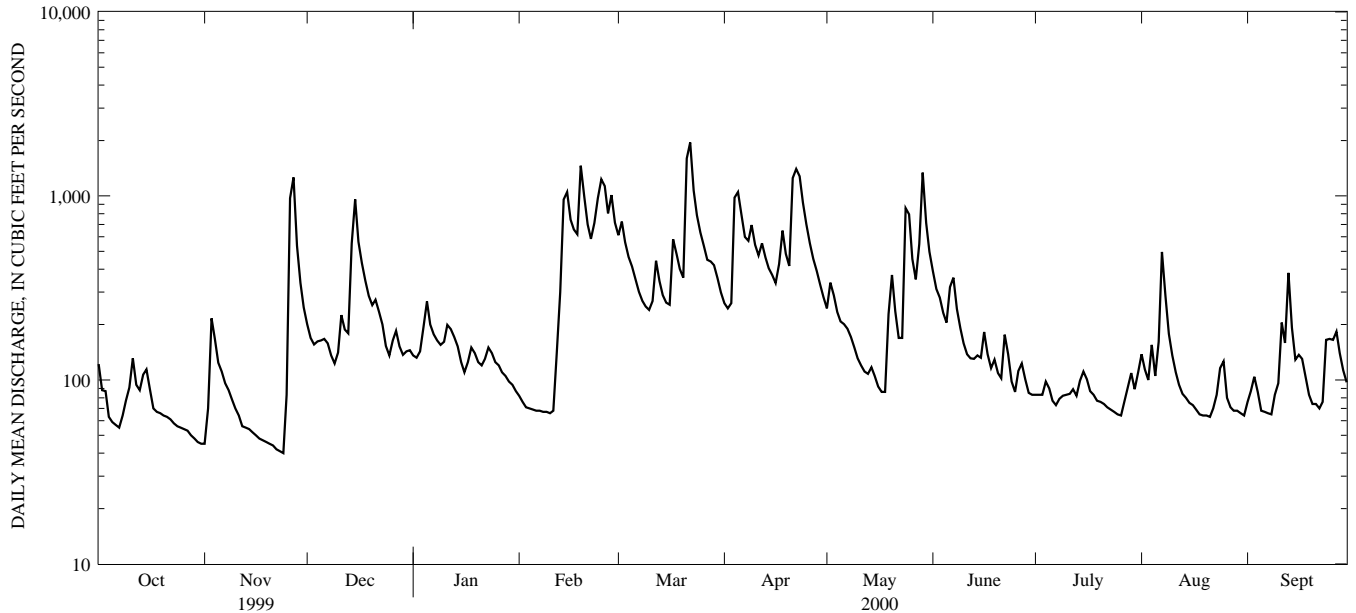
e Estimated.

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03042000 BLACKLICK CREEK AT JOSEPHINE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1953 - 2000	
ANNUAL TOTAL	102915		94137			
ANNUAL MEAN	282		257		367	
HIGHEST ANNUAL MEAN					523	
LOWEST ANNUAL MEAN					242	
HIGHEST DAILY MEAN	5450	Jan 24	1950	Mar 22	22800	Jul 20 1977
LOWEST DAILY MEAN	e32	Jul 19	e40	Nov 24	15	Oct 13 1995
ANNUAL SEVEN-DAY MINIMUM	a34	Aug 19	a44	Nov 18	24	Jul 21 1982
INSTANTANEOUS PEAK FLOW			3080	Mar 21	b45700	Jul 20 1977
INSTANTANEOUS PEAK STAGE			5.96	Mar 21	c19.89	Jul 20 1977
INSTANTANEOUS LOW FLOW			40	Nov 24	19	Sep 14 1952d
ANNUAL RUNOFF (CFSM)	1.47		1.34		1.91	
ANNUAL RUNOFF (INCHES)	19.94		18.24		25.95	
10 PERCENT EXCEEDS	725		637		798	
50 PERCENT EXCEEDS	111		136		210	
90 PERCENT EXCEEDS	36		64		52	

- a Computed using estimated daily discharges.
- b From rating curve extended above 16,000 ft³/s on basis of contracted-opening measurement at gage height 11.35 ft in gage well, 12.67 ft from outside floodmark and slope-area measurement at gage height 10.93 ft.
- c From floodmark in gage well.
- d Also Nov. 4, 1953.
- e Estimated.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000